

THE PENDULUM

INTRODUCING THE WESSEX TEST EQUIPMENT SKID RESISTANCE TESTER S885
(ALSO KNOWN AS THE BRITISH PENDULUM) WWW.WESSEXTESTEQUIPMENT.CO.UK WWW.BRITISHPENDULUM.CO.UK

Does your risk assessment programme include skid resistance measurement for pedestrians and vehicles?

The **PENDULUM** is well established as a world leader in its field. Originally designed in the 1940s in the US, the instrument was further developed in the 1960s at the UK Transport Research Laboratory for the testing of road surfaces. Today it is the **industry standard** for a vast array of surface testing applications, most recently including the testing of astro turf and wooden decking.



(The **PENDULUM** is also known as: Wessex Skid Tester, British Pendulum Tester, Pendulum Skid Tester, Skid Resistance Tester, Portable Skid Resistance Tester.)

Standards:

BS 812 Pt. 114

BS EN 1097-8 Determination of Polished Stone Value

AS/NZS 4586:1999 Slip resistance classification of new pedestrian surface materials

BS 6077 Pt 1 Clay and calcium silicate pavers for flexible pavements.

BS 7044 Artificial sports surfaces: person/surface interaction.

BS 7188 Impact absorbina playaround surfaces

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Applications:

The **PENDULUM** is established globally as an essential part of risk management policies in the following areas:

- Road surface testing
- Testing of new road surface materials under development
- Testing of aggregates in the PSV (polished stone value) test
- Testing of floors and pedestrian walkways
- Flooring materials product development
- Accident investigations, both traffic and pedestrian
- Litigation investigations

It is used in the following ways:

- Assessing surface safety
- Evaluation of floor cleaning materials
- Checking effectiveness of maintenance procedures
- Accident investigations
- Evidence for litigation purposes

BS 8204 In-situ flooring, part 3 Code of practice for polymer modified cementitious wearing surfaces.

ASTM E303 Standard Method for - Measuring Surface Frictional Properties Using British Pendulum

BS 7976 Method of operation and calibration of the pendulum tester.

EN 1436 : 1997 Road Marking Materials

BS EN 13036-4:2003 Road and Airfield surface characteristics



How does it work?

The **PENDULUM** measures the frictional resistance between a rubber slider mounted on the end of a pendulum arm and the test surface. This provides highway and flooring engineers with a routine method of checking the resistance of wet and dry surfaces to slipping and skidding.

Scientific basis of measurement:

The **PENDULUM** is based on the Izod principle: a pendulum consisting of a tubular arm rotates about a spindle attached to a vertical pillar. At the end of the tubular arm a head of constant mass is fitted with a rubber slider. The pendulum is released from a horizontal position so that it strikes the sample surface with a constant velocity. The distance travelled by the head after striking the sample is determined by the friction of the sample surface. A reading of Skid Resistance Values is obtained.



Accessories included:	
Carrying case	Sturdy case with dense foam inserts giving excellent protection
'F' Scale	Built in, for use with small slider set for 76mm slide length. (PSV test)
Set of 6 Sliders (large or small)	Customer can choose either type.(Certificate included)
125-127mm Setting Gauge	used to set slide length for road / floor testing
Brush	For removing unwanted dirt or grit from area to be tested
C Spanner	For attaching and releasing arm to rotating head
17mm Spanner	For fitting rear foot
Allen keys	For various adjustments
Water spray bottle	For wetting surface to be tested
Feet pads	For placing under levelling feet when on soft ground
Operating instructions	A guide to road, floor and PSV testing
Calibration Certificate	Despatched calibrated to BS EN1097-8: 2000 (accredited under ISO 9001:2000)

Additional Services:

Wessex Test Equipment offers the TOTAL SOLUTION in floor monitoring: the instrument, the training, the before and after sales support:

- Contract Floor testing
- Training
- Calibration service for all makes of TRL type skid resistance tester
- Consultancy

Visit www.WessexTestEquipment.co.uk or
 Email sales@wessextestequipment.co.uk
 Or contact us on: +44 (0) 1934 824000

Physical Data(boxed)	
Width	70 cms
Depth	30 cms
Height	70 cms
Volume	0.15 cu metres
Weight	30 Kg